

This permit was originally issued to Emery Energy on 9/3/81, now owned by Tom Oil Co

Missouri Oil and Gas Council

Form OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

for an oil well ☒ or gas well ☐

NAME OF COMPANY OR OPERATOR Tom Oil Co. DATE 12/6/85
Route 4 Paola KS 66071
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>Jack Beary</u>	Well number <u>54 C-1</u>	Elevation (ground) <u>1066</u>
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WELL LOCATION (give footage from section lines)
546.46 ft. from (N) (S) sec. line 1640.25 ft. from (E) (W) sec. line

WELL LOCATION Section 4 Township 46N Range 23W County CASS

Nearest distance from proposed location to property or lease line: 385 feet
Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 12 feet

Proposed depth. <u>520</u>	Drilling contractor, name & address	Rotary or Cable Tools <input checked="" type="checkbox"/>	Approx. date work will start <u>see note</u>
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Number of acres in lease: <u>24.5</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>20</u> Number of abandoned wells on lease: <u>0</u>
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If lease, purchased with one or more wells drilled, from whom purchased: Name Mc Gown Drilling No. of Wells: 19
Address Mound City, KS producing
injection
inactive
abandoned

Status of Bond
Single Well ☐ Amt. _____ Blanket Bond ☒ Amt. 20,000
☒ ON FILE
☐ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

The original well (C-1) was drilled improperly & plugged
Fr 9/3/81

Proposed casing program:				Approved casing -- To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>20</u>	<u>7"</u>	<u>30 #</u>	<u>no</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>500</u>	<u>2-3/8"</u>	<u>4.5</u>	<u>yes</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

I, the undersigned, state that I am the Partner of the Tom Oil (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature Lulu Town

Permit Number: 20211

Approval Date: 12/6/85

Approved By: Wallace B. Hume
BHW

Note: This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned for driller's signature

☒ Drillers log required
☒ E-logs required if run
☒ Core analysis required if run

RECEIVED

☒ Drill stem test info. required if run
☐ Samples required
☒ Samples not required

WATER SAMPLES REQUIRED @

DEC 16 1985

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

3/12/82

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

NAME OF COMPANY OR OPERATOR Emery Energy, Inc. DATE 9-1-81
Box 519 Osawatimie, Kansas 66064-0519
 Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>Jack Beary</u>	Well number <u>54 C 1</u>	Elevation (ground) <u>1066</u>	
WELL LOCATION (give footage from section lines) <u>546.46</u> ft. from (N) <input checked="" type="checkbox"/> sec. line <u>1640.25</u> ft. from (E) <input checked="" type="checkbox"/> sec. line			
WELL LOCATION Section <u>4</u> Township <u>46</u> Range <u>33</u>		County <u>Cass</u>	
Nearest distance from proposed location to property or lease line: <u>385</u> feet		Distance from proposed location to nearest drilling, completed or applied — for well on the same lease: <u>12</u> feet	
Proposed depth. <u>520</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>9-8-81</u>	
Number of acres in lease: <u>24.5</u>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>20</u> Number of abandoned wells on lease: <u>0</u>	
If lease, purchased with one or more wells drilled, from whom purchased: Name <u>McGown Drilling</u> Address <u>Mound City, Kansas</u>		No. of Wells: producing <u>19</u> inactive <u>0</u> abandoned <u>0</u>	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>20,000</u>		<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED	
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed. <u>THE ORIGINAL WELL (C-1) WAS DRILLED IMPROPERLY & PLUGGED</u> <u>INS</u> <u>9/3/81</u>			
Proposed casing program:		Approved casing — To be filled in by State Geologist	
amt. <u>20'</u> <u>500</u>	size <u>7"</u> <u>2-3/8</u>	wt./ft. <u>30#</u> <u>4.5</u>	cem. <u>no</u> <u>yes</u>
_____	_____	_____	_____
_____	_____	_____	_____
I, the undersigned, state that I am the <u>Vice- President</u> of the <u>Emery Energy, Inc.</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.		Signature <u>Clara M. Hurst</u>	

Permit Number: 20211
 Approval Date: 9/3/81
 Approved By: Wallace B. Hurst
 Note: This Permit not transferable to any other person or to any other location.
 Remit two copies to: Missouri Oil and Gas Council
 P.O. Box 250 Rolla, Mo. 65401
 One will be returned for driller's signature

RECEIVED SEP 03 1981 MISSOURI OIL & GAS COUNCIL

☐ SAMPLES REQUIRED
☒ SAMPLES NOT REQUIRED
 WATER SAMPLES REQUIRED @:

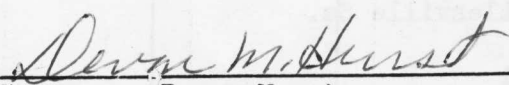
Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☒ Gas ☐ Dry ☐

Owner Emery Energy, Inc.		Address Box 519, Osawatomie, Kansas 66064	
Lease Name Jack Beary Lease		Well Number 54-C1	
Location 546.46 ft. FNL 1640.25 Ft. FEL		Sec. — TWP-Range or Block & Survey Sec. 4 Twp. 46N Range 33W	
County Cass	Permit number (OGC3 number) 20211		
Date spudded 1-29-81	Date total depth reached 1-29-81	Date completed, ready to produce 2-26-81	Elevation (DF, R&B, RT or Gr.) feet 1066 Gr.
Total depth 520 ft.	P B T D 462.50		
Producing interval (s) for this completion 477-483		Rotary tools used (interval) From 0 to T.D. Drilling Fluid used water, air	Cable tools used (interval) From None to None
Was this well directionally drilled? no	Was directional survey made? no	Was copy of directional survey filed? no	Date filed no
Type of electrical or other logs run (list logs filed with the State Geologist) Gamma Ray, Neutron, CCL		Date filed 5/25/1981	
Casing Record 2-4-82			
Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)			
Purpose	Size hole drilled	Size casing set	Weight (lb ft)
surface	9 in.	7 in.	35
producing	6.25 in.	4 in.	10.6
TUBING RECORD		LINER RECORD	
Size 2.375 in.	Depth set 473 ft.	Packer set at none ft.	Size N/A in.
PERFORATION RECORD		ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD	
Number per ft.	Size & type	Depth Interval	Am't. & kind of material used
	35-40/65		water gel --
	1-11/16	477-483	sand 20-40 10
			sand 10-30 20
INITIAL PRODUCTION			
Date of first production		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) No record-see later production report	
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.
Disposition of gas (state whether vented, used for fuel or sold):			
Method of disposal of mud pit contents: Note: This well is included into the monthly production reports			
<p>CERTIFICATE: I, the undersigned, state that I am the Vice-President of the Emery Energy, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p>			
RECEIVED FEB 08 1982		 Signature Devon Hurst	

MO. OIL & GAS COUNCIL

Remit two copies: one will be returned

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DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
PENNSYLVANIAN SYSTEM			
KANSAS CITY			
Iola Ls.	0	40	White to light gray limestone
Chanute Sh.	40	114	Gray to green shales with gray limestone beds
Cement City Sh.	66	77	Blue, gray limestone
Belton Ss.	106	114	Sandstone
Cherryvale Sh.			Gray, blue shales
Dennis Ls.			
Winterset Sh.	162	191	Gray, blue coarse limestone
Stark Sh.	191	197	Black, fissile shale
Swope Ls.			
Bethany Falls Ls.	197	217	Gray, fine to coarse limestone
Hush puckney Sh.	217	223	Black, fissile shale
Hertha Ls.	223	234	Gray to blue limestone
PLEASANTON	234	414	Gray, green shales
Knobtown Ss.			sand
Dawson Coal Hor.	262	366	Black, fissile, slaty shale
HENRIETTA	414	---	
Alamont	414	433	Gray brown, fine grained limestone with gray shale
Pawnee	433	472	Fine grained, light gray limestone
Peru Ss.	398	402	Sand
Myrick Sta. Ls.	466	472	Gray to brown limestone
Anna Sh.	472	476	Coal to black fissile shale
Fort Scott	476	---	Gray to green shales and limestone
Engle vale Ss.	476	492	Fine to medium grained channel sandstone
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		520 TD	
CHEROKEE			Gray to dark shales
Upper Cherokee			Fine to medium grained sandstones
Upper Squirrel			Fine to medium grained sandstones
Lower Squirrel			Black coal
Bevier Coal Hor.			
Lower Cherokee			
Burbank Ss.			Sandstone, irregular
Bartlesville Ss.			Shale, sandy shale, thin sandstone
Core # 1			
Core # 2			
Core # 3			

*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well if available.



EMERY ENERGY, INC.

225 North State Street
Salt Lake City, Utah 84103
(801) 531-8770

June 14, 1984

RECEIVED

JUN 21 1984

Missouri Department of Natural Resources
P.O. Box 250
Rolla, MO. 65401
Attn: Mr. Bruce W. Netzler, Geologist

MO. OIL & GAS COUNCIL

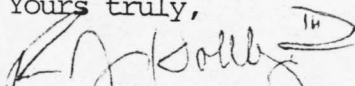
Dear Mr. Netzler,

I am in receipt of your letter requesting an interpretation of the log reports submitted to your office in 1981 by our company covering wells on the Beary Lease, Cass County, Missouri. In 1982-83 we basically shut down our operations in the Kansas/Missouri area and let the people go who were responsible for both the drilling of these wells and the Government reports. I have looked over the logs and our in-house geologist here in Salt Lake has examined it also but we are unable to come up with the answers. The fact is that no one is around who was there to observe the way the formations lay, so I don't know ~~how~~ we can clear up the matter.
how

If 3½ years hadn't passed I'd have confidence that maybe we could tack something down, but now I believe it is too late.

I'm sorry I wasn't able to help you in getting this cleared up. Please feel free to call if you have any other questions.

Yours truly,


Ron J. Hollberg, III
Production Dept.

RJH/rh